IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) A data sharing system having at least display screen data shared between at least one transmitting terminal apparatus and at least one receiving terminal apparatus connected via a network;

wherein said transmitting terminal apparatus comprises:

transfer rate setting means for setting a transfer rate based on how fast said display screen data were transferred previously to said receiving terminal apparatus;

transfer rate determining means for calculating a predicted completion time of a data transfer based on a predetermined transfer rate, said transfer rate determining means further determining whether said data transfer is completed within said predicted completion time,

wherein said transfer rate setting means changes said transfer rate if at least a predetermined number of results of the determination by said transfer rate determining means are consecutively equal;

communication performance measuring means for measuring communication performance parameters representative of network communication performance between said transmitting terminal apparatus and said receiving terminal apparatus;

evaluating means for calculating evaluation parameters for evaluating network communication status using at least said transfer rate and said communication performance parameters; and

interlocking process controlling means for controlling an interlocking process

between said transmitting terminal apparatus and said receiving terminal apparatus by use of said

evaluation parameters;

wherein said receiving terminal apparatus comprises:

screen receiving means for receiving said display screen data transferred from said

transmitting terminal apparatus; and

communication performance measurement responding means for responding to a

signal transmitted by said transmitting terminal apparatus for measuring said communication

performance parameters; and

wherein said receiving terminal apparatus is controlled by a signal coming from

said interlocking process controlling means.

2. (Currently Amended) A transmitting terminal apparatus for transmitting at

least screen display data to at least one receiving terminal apparatus connected via a network,

said transmitting terminal apparatus comprising:

transfer rate setting means for setting a transfer rate based on how fast said display

screen data were transferred previously to said receiving terminal apparatus;

transfer rate determining means for calculating a predicted completion time of a

data transfer based on a predetermined transfer rate, said transfer rate determining means further

determining whether said data transfer is completed within said predicted completion time,

wherein said transfer rate setting means changes said transfer rate if at

least a predetermined number of results of the determination by said transfer rate determining

means are consecutively equal;

communication performance measuring means for measuring communication

performance parameters representative of network communication performance between said

transmitting terminal apparatus and said receiving terminal apparatus;

evaluating means for calculating evaluation parameters for evaluating network

communication status using at least said transfer rate and said communication performance

parameters; and

interlocking process controlling means for controlling an interlocking process

between said transmitting terminal apparatus and said receiving terminal apparatus by use of said

evaluation parameters.

3. (Canceled)

4. (Original) A transmitting terminal apparatus according to claim 2, wherein said

communication performance parameters include at least one of two factors consisting of a delay

time and a packet loss rate detected during signal exchanges between said transmitting terminal

apparatus and said receiving terminal apparatus.

5. (Original) A transmitting terminal apparatus according to claim 2, wherein said

evaluating means calculates said evaluation parameters based on values obtained by weighting

previous values of said transfer rate and said communication performance parameters, and the

most recent values of said transfer rate and said communication performance parameters.

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6. (Original) A transmitting terminal apparatus according to claim 2, wherein, if there exist a plurality of values of said evaluation parameters, said interlocking process controlling means controls said interlocking process using values obtained by weighting said plurality of values of said evaluation parameters in keeping with different types of said interlocking process.

7. (Original) A transmitting terminal apparatus according to claim 2, wherein said interlocking process controlling means either enables or disables interlocking functionality depending on different types of said interlocking process.

8. (Original) A transmitting terminal apparatus according to claim 2, wherein said interlocking process concerns at least one of three operations consisting of a remote operation, a chat, and a file transfer;

wherein said remote operation is a process in which one of said transmitting and said receiving terminal apparatuses remotely operates another terminal apparatus;

wherein said chat is a process carried out between at least said one transmitting terminal apparatus and at least said one receiving terminal apparatus; and

wherein said file transfer is a process effected between at least said one transmitting terminal apparatus and at least said one receiving terminal apparatus.

9. (Original) A transmitting terminal apparatus according to claim 2, further comprising displaying means for displaying communication status information about said

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network by use of said evaluation parameters.

10. (Original) A transmitting terminal apparatus according to claim 9, wherein, if

there exist a plurality of values of said evaluation parameters, said displaying means displays said

communication status information using values obtained by weighting said plurality of values of

said evaluation parameters for display purposes.

11. (Currently Amended) A ~~recording~~ computer-readable medium ~~which stores a~~

for storing a program ~~in a manner readable by a computer of~~ executed in a transmitting terminal

apparatus for transmitting at least screen display data to at least one receiving terminal apparatus

connected via a network, ~~said program causing said computer of said transmitting terminal~~

~~apparatus to implement~~ wherein the program comprises:

a transfer rate setting ~~means for~~ step of setting a transfer rate based on how fast

said display screen data were transferred previously to said receiving terminal apparatus;

a transfer rate determining step of calculating a predicted completion time of a

data transfer based on a predetermined transfer rate and determining whether said data transfer is

completed within said predicted completion time;

a transfer rate changing step of changing said transfer rate if at least a

predetermined number of results of the determination in said transfer rate determining step are

consecutively equal;

a communication performance measuring ~~means for~~ step of measuring

communication performance parameters representative of network communication performance

between said transmitting terminal apparatus and said receiving terminal apparatus;

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a evaluating ~~means for~~ step of calculating evaluation parameters for evaluating

network communication status using at least said transfer rate and said communication

performance parameters; and

a interlocking process controlling ~~means for~~ step of controlling an interlocking

process between said transmitting terminal apparatus and said receiving terminal apparatus by

use of said evaluation parameters.

12-15. (Canceled)

16. (Currently Amended) A transmitting terminal apparatus controlling method

for use by a transmitting terminal apparatus in a data sharing system having at least display

screen data shared between at least said one transmitting terminal apparatus and at least one

receiving terminal apparatus connected via a network, said transmitting terminal apparatus

controlling method comprising the steps of:

setting a transfer rate based on how fast said display screen data were transferred

previously to said receiving terminal apparatus;

calculating a predicted completion time of a data transfer based on a

predetermined transfer rate;

determining whether said data transfer is completed within said predicted

completion time;

changing said transfer rate if at least a predetermined number of results of the

determination in said transfer rate determining step are consecutively equal;

measuring communication performance parameters representative of network

communication performance between said transmitting terminal apparatus and said receiving

terminal apparatus;

calculating evaluation parameters for evaluating network communication status

using at least said transfer rate and said communication performance parameters; and

controlling an interlocking process between said transmitting terminal apparatus

and said receiving terminal apparatus by use of said evaluation parameters.

17. (Canceled)

18. (Original) A transmitting terminal apparatus controlling method according to

claim 16, wherein said communication performance parameters include at least one of two

factors consisting of a delay time and a packet loss rate detected during signal exchanges

between said transmitting terminal apparatus and said receiving terminal apparatus.

19. (Original) A transmitting terminal apparatus controlling method according to

claim 16, wherein said evaluating parameter calculating step calculates said evaluation

parameters based on values obtained by weighting previous values of said transfer rate and said

communication performance parameters, and the most recent values of said transfer rate and said

communication performance parameters.

20. (Original) A transmitting terminal apparatus controlling method according to

claim 16, wherein, if there exist a plurality of values of said evaluation parameters, said

interlocking process controlling step controls said interlocking process using values obtained by weighting said plurality of values of said evaluation parameters in keeping with different types of said interlocking process.

21. (Original) A transmitting terminal apparatus controlling method according to claim 16, wherein said interlocking process controlling step either enables or disables interlocking functionality depending on different types of said interlocking process.

22. (Original) A transmitting terminal apparatus controlling method according to claim 16, wherein said interlocking process concerns at least one of three operations consisting of a remote operation, a chat, and a file transfer;

wherein said remote operation is a process in which one of said transmitting and said receiving terminal apparatuses remotely operates another terminal apparatus;

wherein said chat is a process carried out between at least said one transmitting terminal apparatus and at least said one receiving terminal apparatus; and

wherein said file transfer is a process effected between at least said one transmitting terminal apparatus and at least said one receiving terminal apparatus.

23. (Original) A transmitting terminal apparatus controlling method according to claim 16, further comprising the step of displaying communication status information about said network by use of said evaluation parameters.

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24. (Original) A transmitting terminal apparatus controlling method according to claim 23, wherein, if there exist a plurality of values of said evaluation parameters, said displaying step displays said communication status information about said network using values obtained by weighting said plurality of values of said evaluation parameters for display purposes.

25-27. (Canceled)